Churchill et al.			[45]	Date of Patent:	Jul. 17, 1990	
[54]	CONTINUOUS RELEASE FORMULATIONS		[56] References Cited			
[75]	Inventors:	Jeffrey R. Churchill, Northwich;		PUBLICATION	IS ·	
		Francis G. Hutchinson, Lymm, both of United Kingdom	Das, "Controlled Release Technology" John Wiley and Sons, Inc. 1983 pp. 9-10.			
[73]	Assignee:	Imperial Chemical Industries, London, England	Primary Examiner—Frederick E. Waddell Attorney, Agent, or Firm—Cushman, Darby & Cushman			
[21]	Appl. No.:	716,651	[57]	ABSTRACT	•	
[22]	Filed:	Mar. 27, 1985		eutical compositions comp		
Related U.S. Application Data			logically active polypeptide and a pharmacologically or veterinarily acceptable amphipathic, non-cross-linked linear, branched or graft block copolymer, which has a minimum weight average molecular weight of 5,000, in which the hydrophobic component is biodegradable			
[62] Division of Ser. No. 485,454, Apr. 15, 1983, Pat. No. 4,526,938.						
[30]	[30] Foreign Application Priority Data			and the hydrophilic component may or may not be		
Apı	r. 22, 1982 [G	BB] United Kingdom 8211704		lable, the composition be vater to form a hydrogel		
[51]	51] Int. Cl. ⁵ A61K 31/74; A61K 31/79; A61F 2/00			aqueous, physiological-type environment; copolymers suitable for use in said compositions; and method for the		
[52]	U.S. Cl. 424/423; 424/78; 424/80; 424/422; 424/499			ure of such copolymers.		
[60]	TRAIN ACC	L 124/10 20 70 01		6 Claima No Draw	inga	

[11] Patent Number:

6 Claims, No Drawings

United States Patent [19]

[58] Field of Search 424/19, 28, 78, 81